Listing of Claims:

1. (Currently amended) A front-end array process for making a liquid crystal display panel, comprising:

depositing a molybdenum-containing metal layer on a glass substrate;

forming a patterned photoresist ~~and defining a gate and word line array pattern~~ on said molybdenum-containing metal layer, wherein said patterned photoresist defines a gate and word line array pattern; and

using said patterned photoresist as an etching ~~hard~~ mask, uniformly etching said molybdenum-containing metal layer to form said gate and word line array pattern having ~~slightly~~ substantially oblique sidewalls, wherein said etching of said molybdenum-containing metal layer uses gas mixture.

2. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein after said etching of said molybdenum-containing metal layer, an over etching is carried out.

3. (Currently amended) The front-end array process for making a liquid crystal display panel according to claim 1 wherein ~~oxygen/fluorine~~ fluorine/oxygen containing gas mixture is SF_6/O_2 having a ratio of about 700sccm/300sccm.

4. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said etching of said molybdenum-containing metal layer is executed under a process pressure higher than 25 mTorr.

5. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said etching of said molybdenum-containing metal layer is further controlled by a source power, a bias power, process pressure, oxygen flowrate and flowrate of fluorine containing gas.

6. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said molybdenum-containing metal layer is a dual-metal layer.

7. (Currently amended) The front-end array process for making a liquid crystal display panel according to claim 6 wherein said dual-metal layer is Mo/AlNd, MoW/AlNd, or MoW/Al, wherein Mo and MoW are top layers, while AlNd and Al are bottom layers.

8. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said etching of said molybdenum-containing metal layer is detected by an end-point detection method at an wavelength of about 704nm.

9. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said gas mixture is oxygen/fluorine containing.

10. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said gas mixture is oxygen/chlorine containing.

11. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said gas mixture is oxygen/chlorine/fluorine containing.

12. (Original) The front-end array process for making a liquid crystal display panel according to claim 1 wherein said gas mixture is SiF_6/O_2 containing.

13. (Original) A front-end array process for making a liquid crystal display panel, comprising:

depositing a molybdenum-containing metal layer on a glass substrate;

forming a patterned photoresist and defining a gate and word line array pattern on said molybdenum-containing metal layer; and

etching said molybdenum-containing metal layer by said patterned photoresist to form said gate and word line array pattern.

14. (Currently amended) The front-end array process for making a liquid crystal display panel according to claim 13 wherein said gate and word line array pattern have ~~slightly~~ substantially oblique sidewalls.

15. (Original) The front-end array process for making a liquid crystal display panel according to claim 13 wherein after said etching of said molybdenum-containing metal layer, an over etching is carried out.

16. (Currently amended) The front-end array process for making a liquid crystal display panel according to claim 13 wherein ~~oxygen/fluorine~~ fluorine/oxygen containing gas mixture is SF_6/O_2 having a ratio of about 700sccm/300sccm.

17. (Original) The front-end array process for making a liquid crystal display panel according to claim 13 wherein said etching of said molybdenum-containing metal layer is executed under a process pressure higher than 25 mTorr.

18. (Original) The front-end array process for making a liquid crystal display panel according to claim 13 wherein said etching of said molybdenum-containing metal layer is detected by an end-point detection method at an wavelength of about 704nm.

19. (Original) The front-end array process for making a liquid crystal display panel according to claim 13 wherein said molybdenum-containing metal layer is a

dual-metal layer.

20. (Currently amended) The front-end array process for making a liquid crystal display panel according to claim 19 wherein said dual-metal layer is Mo/AlNd, MoW/AlNd, or MoW/Al, wherein Mo and MoW are top layers, while AlNd and Al are bottom layers.